

**IN THE SPECIFICATION:**

Please amend the Specification as follows.

Please replace paragraph 24 beginning on page 6 and continuing to page 7, with the following new paragraph:

[0001] Once the amplitude data at  $f_0$  and  $2f_0$  is acquired, it is processed in order to produce a non-linear acoustic image, as shown in block 110. Generally, this non-linear acoustic image is presented as ratio of the amplitude of the second harmonic signal and the square of the amplitude of the fundamental frequency signal. In one specific embodiment, a "beta" image is constructed in accordance with the expression:

$$\beta = \frac{(8)(A_2)}{(ak^2)(A_1^2)} = \frac{8c^2}{(a4\pi^2 f_0^2)(A_2/A_1^2)}$$

$$\beta = (8/ak^2)(A_2/A_1^2) = (8c^2 A_2)/(4\pi^2 a f_0^2 A_1^2).$$